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Specification and Drawings, as originally filed, with Application for Patent Serial No:
2,439,837, on September 5, 2003, by ELEANOR KEOGH, for 'Nail Polish Remover,
Especially for Toes'.

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ABSTRACT

A nail polish removing device (1) particularly suited for removing nail polish from toenails, which has heretofore been relatively difficult or inconvenient, comprising a container (4) having a transverse opening (3) for receiving a toenail, a scrubbing medium (2) disposed in the container (4) and adapted for scrubbing a toenail, a reservoir located in a lower portion of the container (1), the reservoir being capable of holding nail polish removing solution and facilitating contact of nail polish removal solution with the scrubbing medium (2) to wet the scrubbing medium (2) to facilitate nail polish removal. The device (1) may include suction cups (5) or other means for attachment to a floor or other surface.

NAIL POLISH REMOVER, ESPECIALLY FOR TOES

The present invention relates to the field of nail care and, in particular embodiments, to the field of toenail polish removal.

Heretofore, nail polish has been removed from toes by such means as scrubbing with a cotton ball which is wetted with nail polish remover. Other simple or, alternatively, mechanical devices have been proposed. However, removing nail polish from toenails has been relatively difficult or inconvenient.

The following patents are considered to be of general relevance to the subject matter of the present invention and are not believed to anticipate or render the present invention obvious, whether taken alone or in any combination.

United States Patent No. 5,992,422 (Ivory) **TOE NAIL POLISH REMOVING DEVICE** describes a device specifically designed for removing nail polish from toes, whereby a seated or standing user places her foot through a vertical opening and into a reservoir containing a sponge and nail polish remover solution. The sponge is electronically reciprocated over-top of the toes to aid the removal process.

United States Patent No. 4,800,606 (Kolesky) **DIGIT NAIL CLEANING DEVICE** teaches an electric finger- and toe- nail cleaning device comprising individual compartments for receiving a single finger or toe. Inside each compartment is provided a rotating cleaning member such as a sponge immersed in nail polish remover solution.

The following additional patents relate to the concept of an upstanding container holding a cleaning solution which wets a sponge or like material and into which a user places her finger for removing nail polish. Scherer indicates that the device may also be used for toenails. Montiel's product has additional uses in the nail care area. Ropp et al. utilize a brush in place of a sponge. These patents are less relevant to the present invention because they are not practical for removing nail polish from toes.

United States Patent No. 4,440,181 (Scherer) **NAIL POLISH REMOVER KIT**; United States Patent No. 4,530,726 (Montiel) **FINGERNAIL REFINISHING PRODUCT AND METHOD**; United States Patent No. 4,964,372 (Zeenni et al.) **FINGERNAIL TREATING DEVICE**; United States

Patent No. 4,282,891 (Duceppe) FINGERNAIL TREATING DEVICE; and Canadian Patent No. 1,067,655 (Ropp et al.) NAIL POLISH REMOVER

United States Patent No. 5,992,422 (Ivory) is somewhat complex and differs from the present invention as will be understood hereinbelow.

United States Patent No. 4,800,606 (Kolesky) does not appear to be well suited for cleaning toenails because of the configuration. A user would have to manipulate her toe awkwardly in order to use such a device. Similarly, the remaining patents listed above do not appear to be well suited for cleaning toenails, notably because of the disposition of their openings for inserting digits.

The present invention seeks to overcome the inconvenience of removing nail polish from toenails using conventional devices intended primarily for use with fingernails. The present invention provides a means, including a device, which renders more convenient the process of removing toenail polish. People with limited mobility may also find this invention more convenient since less bending is required. The device may also be used to remove fingernail polish, to generally clean nails or for other cleaning uses.

According to an aspect of the present invention there is provided a nail polish removing device comprising a container having a transverse or lateral opening for receiving a toenail, a scrubbing medium disposed in the container and adapted for scrubbing a toenail, a reservoir located in a lower portion of the container, the reservoir being capable of holding nail polish removing solution and facilitating contact of nail polish removal solution with the scrubbing medium to wet the scrubbing medium to facilitate nail polish removal.

According to another aspect of the present invention there is provided a toenail polish removing device comprising a sponge having a slot for receiving a toe; a reservoir for holding nail polish removing solution positioned below the sponge and serving to wet the sponge; and a body holding the sponge and the reservoir and having suction cup feet for supporting the device in a position for use. A user may wiggle their toes around as required to aid the removal process.

When the device is set upstanding, the opening in the sponge may be in the vertical plane or otherwise such as slightly off vertical. In different embodiments, the opening may span various

widths across the sponge.

The nail polish removing solution may be any commercially available nail polish remover or other suitable solution and may be determined by the user.

The body of the device may be made of plastic or other suitable material. Preferably the material(s) is/are in line with the objectives of the invention and therefore may be leak proof, relatively durable and non-degrading under the conditions. The sponge may be of various types and preferably in line with the objectives of the invention and therefore may be effective in the nail polish removing process including effective abrasion, durability and capable of being effectively wetted by the solution. More than one type of sponge may be used to provide different scrubbing needs in one device. Also, different sponges may be used with a single device and therefore the invention may be manufactured, sold etcetera in its component parts or combinations thereof.

Instead of having a solution in the bottom of the device which may be replenished, cartridges containing solution may be used which are fitted to the device to replenish the solution.

As seen in the Figures, the device may be at least somewhat kidney shaped with correspondingly shaped sponge or foam for encapsulation within. In a preferred embodiment the device is pearlized bright pink in color.

BRIEF DESCRIPTION OF THE DRAWINGS

Embodiments of the invention will be described below with reference to the accompanying drawings, in which:

Figure 1a and 1b are perspective views of a device and cover therefor of an embodiment of the present invention;

Figure 2 is a rear view of an embodiment of the present invention; and

Figure 3 is a front side view of an embodiment of the present invention showing exemplary dimensions.

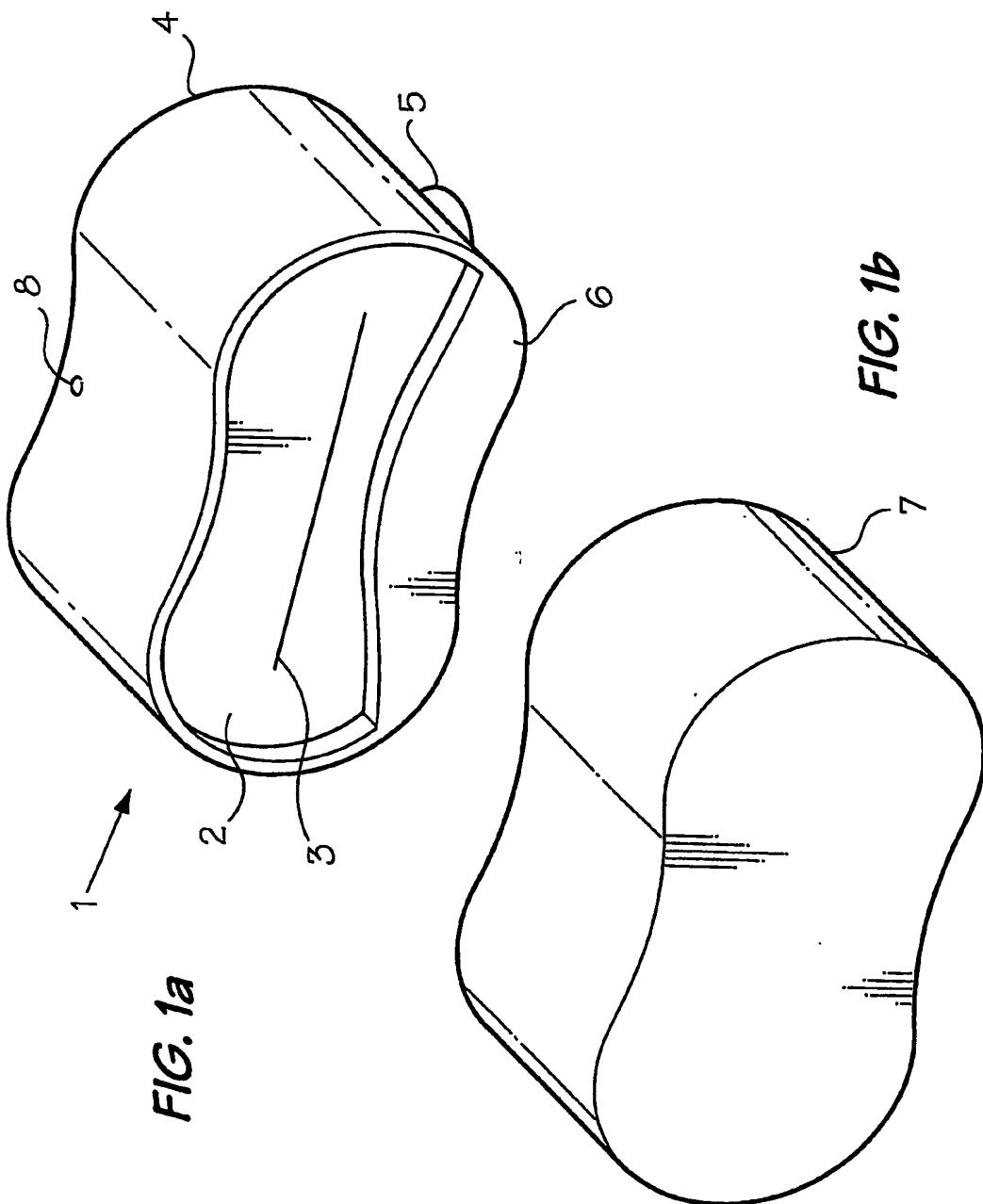
Referring to Figures 1 to 3, a nail polish removing device (1) is shown in perspective view and comprises a scrubbing medium such as a sponge or foam (2) for scrubbing a nail, the medium (2) being adapted to hold therein nail polish removing solution, and having at least one opening (3) for receiving therein at least one digit or portion thereof. A reservoir (seen by the dotted line in Figure 2) is provided for holding nail polish removing solution and communicating with the scrubbing medium (2) for wetting thereof. A container (4) holds the scrubbing medium (2), and has means (5) for allowing useful positioning of the device, such as suction cup feet (5). The suction cups may be affixed to a floor or other surface and the user may sit in a comfortable position so as to allow convenient use of the device. A user may elect alternative arrangements, such as standing or lying down with the device placed appropriately. In any case, the friction between a nail and sponge having nail polish removing solution therein facilitating the removal of the nail polish. A ledge (6) is disposed in front of the opening (3) for resting one's foot (or hand) thereon while one's digit(s) is within the sponge (2).

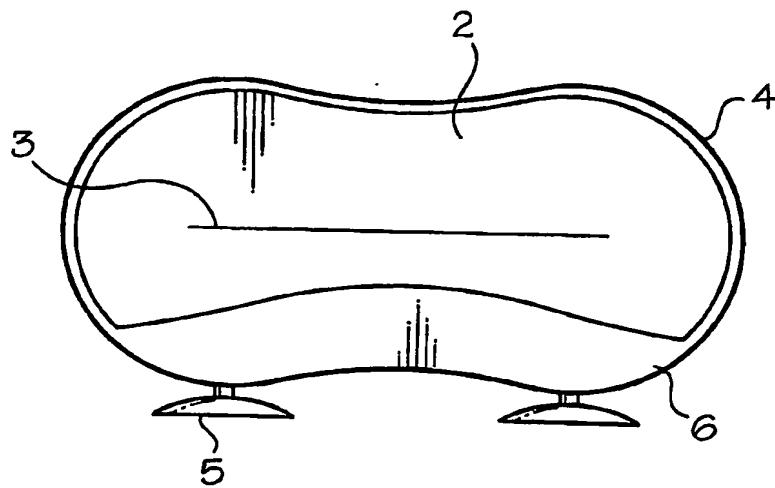
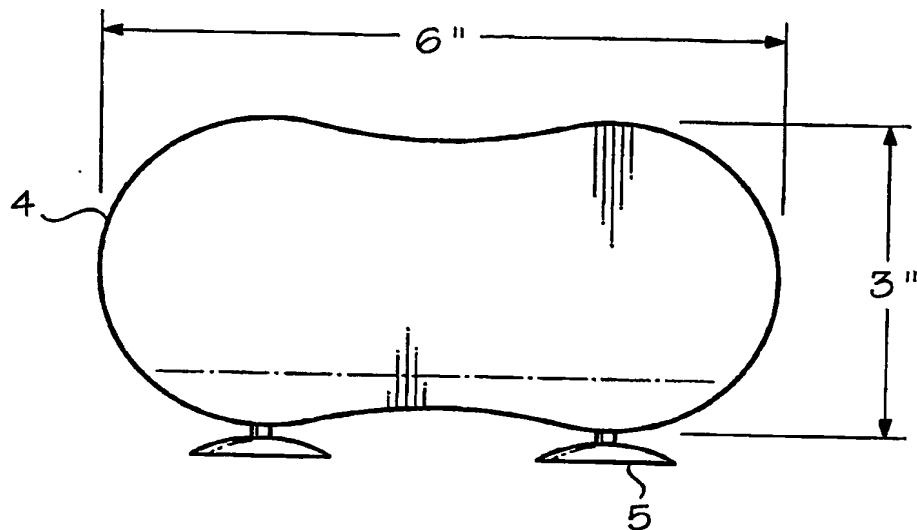
In Figure 1b, a cover (7) is shown for placement on the open front face of the device (1). The cover (7) serves to hide the front face and to prevent leakage while the device is not in use. Embossment (8) is an example of how the lid may be secured to the body, where the lid (and an embossment or valley) is forced over the embossment (8) into a secure fit. Several embossment may be used or a continuous embossment surrounding the device. Various other securing means may be used involving a snap, friction or other means. To wet the sponge (2), the lid may be secured to the body and the device shaken and/or tilted.

Figure 2 shows the closed back of the device and Figure 3 shows the device in plan view from the front. An example of suitable dimension are shown, wherein the length of the width of the device is 6 inches and the height 3 inches. The dimensions may vary greatly and may be such as to accommodate any number of digits, such as from one to 10. A profiled outline of a foot or like indication may be present on the device.

It can be seen from the illustrations and descriptions heretofore that the devices as taught herein, and purposed to facilitate the cleaning of and particularly the removal of nail polish, particularly from toes, provide an advance in the art. The advantages realized by this invention which have been discussed herein are in no way intended to provide an exhaustive list thereof and therefore other features and advantages may exist and/or be discovered by working of, or experimenting with, the present invention.

The foregoing are exemplary embodiments of the present invention and a person skilled in the art would appreciate that modifications to these embodiments may be made without departing from the scope of the invention.





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